FSO5-425PCT sequence list.ST25.txt

SEQUENCE LISTING

<110> Japan Science and Technology Agency

<120> CLINICAL DIAGNOSTIC REAGENT AND DIAGNOSTIC METHOD FOR TESTING INFECTION OF ADULT TAENIA SOLIUM AND TAENIA SAGINATA

<130> FSO5-425PCT

<160> 20

<170> PatentIn version 3.1

<210> 1
<211> 85
<212> PRT
<213> Taenia saginata

<400> 1

```
Met Gly Val Ala Ile Ile Ala Leu Leu Thr Leu Leu Ala Val Val Ala
1               5               10              15

Val Ser Ala Glu Glu Lys Asn Pro Val Arg Ala Ile Arg Ala Arg Cys
            20              25              30

Lys Glu Lys Val Ala Lys Trp Glu Lys Phe Phe Asp Glu Asp Pro Leu
            35              40              45

Gly Gln Lys Leu Ala Asp His Tyr Ala Lys Leu Arg Glu Leu Val Lys
            50              55              60

Glu Val Arg Leu Arg Ile Arg Lys Ala Ile Ala Lys Tyr Val Lys Glu
65              70              75              80

Leu Lys Asp Glu Asn
                85
```

<210> 2
<211> 85
<212> PRT
<213> Taenia saginata

<400> 2

```
Met Gly Val Ala Ile Ile Ala Leu Leu Thr Leu Leu Ala Val Val Ala
1               5               10              15

Val Ser Ala Glu Glu Lys Asn Pro Val Arg Ala Ile Arg Ala Arg Cys
            20              25              30

Lys Glu Lys Val Ala Lys Trp Glu Lys Phe Phe Asp Glu Asp Pro Leu
            35              40              45

Gly Gln Lys Leu Ala Asp His Tyr Ala Lys Leu Arg Glu Leu Val Lys
            50              55              60

Glu Val Arg Leu Arg Ile Arg Lys Ala Ile Ala Lys His Val Lys Glu
65              70              75              80

Leu Lys Asp Glu Asn
                85
```

<210> 3

<211> 85
<212> PRT
<213> Taenia saginata.

<400> 3

Met Gly Val Ala Ile Ile Ala Leu Leu Thr Leu Leu Ala Val Val Ala
1   5   10   15

Val Ser Ala Glu Glu Lys Asn Pro Val Arg Ala Ile Arg Ala Arg Cys
              20   25   30

Lys Glu Lys Val Ala Lys Trp Glu Arg Phe Phe Asp Glu Asp Pro Leu
          35   40   45

Gly Gln Lys Leu Ala Asp His Tyr Ala Lys Leu Arg Glu Leu Val Lys
      50   55   60

Glu Val Arg Leu Arg Ile Arg Lys Ala Ile Ala Lys Tyr Val Lys Glu
65   70   75   80

Leu Lys Asp Glu Asn
              85

<210> 4
<211> 85
<212> PRT
<213> Taenia saginata

<400> 4

Met Gly Val Ala Ile Ile Ala Leu Leu Thr Leu Leu Ala Val Val Ala
1   5   10   15

Val Ser Ala Glu Glu Lys Asn Pro Val Arg Ala Ile Arg Ala Arg Cys
              20   25   30

Lys Glu Lys Val Ala Lys Trp Glu Lys Phe Phe Asp Glu Asp Pro Leu
          35   40   45

Gly Gln Lys Leu Ala Asp His Tyr Ala Asn Trp Ile Glu Leu Val Lys
      50   55   60

Glu Val Arg Leu Arg Ile Arg Lys Ala Ile Ala Lys His Val Lys Glu
65   70   75   80

Leu Lys Asp Glu Asn
              85

<210> 5
<211> 44
<212> PRT
<213> Taenia solium

<400> 5

Lys Asn Pro Val Arg Val Ile Arg Thr Lys Tyr Lys Glu Lys Val Ala
1   5   10   15

Lys Trp Glu Lys Phe Phe Asp Glu Asp Pro Leu Gly Gln Lys Ile Ala
          20   25   30

Asp His Tyr Ala Lys Leu Arg Glu Leu Val Lys Glu
        35   40

<210> 6
<211> 71
<212> PRT
<213> Hymenolepis diminuta

<400> 6

Met Glu Gln Glu Thr Asn Pro Ile Arg Arg Ile Lys Thr Lys Ala Lys
1   5   10   15

Glu Tyr Phe Ala Ala Arg Glu Arg Phe Tyr Asp Glu Asp Pro Leu Gly
         20   25   30

Lys Gln Ile Ala Ala His Leu Ser Lys Trp Arg Glu Ile Ile Arg Asp
         35   40   45

Val Arg Ala Arg Leu Arg Gly Tyr Leu Arg Lys Tyr Leu Asn Asp Leu
    50   55   60

Gln Lys Glu Tyr Pro Lys Ala
65   70

<210> 7
<211> 67
<212> PRT
<213> Moniezia expansa

<400> 7

Met Glu Gln Glu Thr Asn Pro Ile Arg Ala Ile Lys Lys Arg Ile Thr
1   5   10   15

Ser Tyr Leu Lys Ser Arg Glu Glu Phe Tyr Asp Lys Asp Pro Leu Gly
         20   25   30

Gln Lys Ile Ala Lys Phe Tyr Gly Glu Trp Lys Glu Leu Val Ala Glu
         35   40   45

Val Arg Lys Arg Val Arg Ala Arg Ile Ala Ala Tyr Val Lys Lys Leu
    50   55   60

Gln Glu Glu
65

<210> 8
<211> 258
<212> DNA
<213> Taenia saginata

<400> 8
atgggagtcg ccatcatcgc tctcctcacc ctcctggctg tggtcgccgt gtctgctgaa   60

gagaagaacc cagttcgtgc tatccgagcc agatgcaagg agaaggtggc gaaatgggag   120

aagttctttg atgaggaccc tctaggccag aagcttgccg atcactatgc caagttgagg   180

gaactggtta aggaagtgag actacgtatt cgtaaggcca ttgcaaagta tgtgaaggag   240

                                                            258

ttaaaggatg agaactga

<210> 9

<211> 258
<212> DNA
<213> Taenia saginata

<400> 9
atgggagtcg ccatcatcgc tctcctcacc ctcctggctg tggtcgccgt gtctgctgaa   60

gagaagaacc cagttcgtgc tatccgagcc agatgcaagg agaaggtggc gaaatgggag   120

aagttctttg atgaggaccc tctaggccag aagcttgccg atcactatgc caagttgagg   180

gaactggtta aggaagtgag actacgtatt cgtaaggcca ttgcaaagca tgtgaaggag   240

                                                                        258
ttaaaggatg agaactga

<210> 10
<211> 258
<212> DNA
<213> Taenia saginata

<400> 10
atgggagtcg ccatcatcgc tctcctcacc ctcctggctg tggtcgccgt gtctgctgaa   60

gagaagaacc cagttcgtgc tatccgagcc agatgcaagg agaaggtggc gaaatgggag   120

aggttctttg atgaggaccc tctaggccag aagcttgccg atcactatgc caagttgagg   180

gaactggtta aggaagtgag actacgtatt cgtaaggcca ttgcaaagta tgtgaaggag   240

                                                                        258
ttaaaggatg agaactga

<210> 11
<211> 258
<212> DNA
<213> Taenia saginata

<400> 11
atgggagtcg ccatcatcgc tctcctcacc ctcctggctg tggtcgccgt gtctgctgaa   60

gagaagaacc cagttcgtgc tatccgagcc agatgcaagg agaaggtggc gaaatgggag   120

aagttctttg atgaggaccc tctaggccag aagcttgccg atcactatgc caattggata   180

gaactggtta aggaagtgag actacgtatt cgtaaggcca ttgcaaagca tgtgaaggag   240

                                                                        258
ttaaaggatg agaactga

<210> 12
<211> 310
<212> DNA
<213> Taenia solium

<400> 12
gtaagtgtac ttgtcattac cctaacccca ccttcgtctt ctagagaggt aagttcgtca   60

acttcgtcac attccacgtc catctttgca atatgcgaat ctaaacgtcg tccttgatag   120

aaaaacccag ttcgtgttat ccgaaccaag tacaaggaga aggtggcgaa atgggagaag   180

ttctttgatg aggatcctct gggccaaaag atagccgatc actatgccaa gttgagggaa   240

ctggttaagg aaggtaggtt tgtgttggac gaggctcctc cataacttgc atctccttct   300

                                                                        310
ctcatttttag

<210> 13
<211> 40
<212> DNA
<213> Artificial sequence

<220>
<223> tag

<400> 13   40
cacgtctaga ctgcagaagc tttttttttt tttttttttt

<210> 14
<211> 22
<212> DNA
<213> Artificial sequence

<220>
<223> pimer

<400> 14   22
atgcgtgcca cattttgctt ct

<210> 15
<211> 22
<212> DNA
<213> Artificial sequence

<220>
<223> primer

<400> 15   22
cacgtctaga ctgcagaagc tt

<210> 16
<211> 7
<212> PRT
<213> Taenia saginata

<400> 16

Phe Tyr Asp Glu Asp Pro Leu
1   5

<210> 17
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> primer

<220>
<221> misc_feature
<222> (18)..(18)
<223> n means A, C, G or T.

<400> 17   20
ttytaygayg argayccnyt

<210> 18
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> primer

<400> 18   23
tcagttctca tcctttaact cct

<210> 19
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> primer

<400> 19   20
cgaacgccag cacatggaca

<210> 20
<211> 21
<212> DNA
<213> Artificial sequence

<220>
<223> primer

<400> 20   21
atgggagtcg ccatcatcgc t